

In The Specification:

starting at line 21:

The object of the present invention is an interference analysis which provides in as simple and efficient a manner as possible for radio network planning in a mobile radio network comprising adaptive antennas in at least some radio cells. [The object is achieved by the subject matters of the independent claims.]

paragraphs starting at line 1:

Further features and advantages of the invention are obtained from the [subclaims and] subsequent description of an exemplary embodiment, referring to the drawing, in which:

Figure 1 shows the planning process for a conventional mobile radio network as a flowchart[.,];

Figure 2 shows the definition of channel-dependent interference matrices for a conventional mobile radio network comprising traffic channels and control channels[.,];

Figure 3 shows the modeling of an adaptive antenna by a number of highly directional antennas having in each case a different antenna pattern (beam) [.,];

Figure 4 shows the different entries for the interference between two radio cells obtained on the basis of the modeling in [figure] Figure 3[.,];

Figure 5 shows the calculation of the probability of interference between a cell having an adaptive antenna and a cell having a conventional antenna[.,];

Figure 6 shows the calculation of the probability of interference between two radio cells having in each case an adaptive antenna[.,];

Figure 7 shows the procedure in determining the channel-dependent matrices, taking into consideration adaptive antennas[,]; and